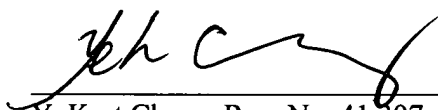


***CLAIM AMENDMENTS***

1. (Original) A mass spectrometer system comprising:  
a pulsed ion source, for providing pulses of analyte ions;  
a mass spectrometer;  
an ion path extending between the ion source and the mass spectrometer;  
and  
an ion transmission device located in said ion path and having a damping gas in at least a portion of the ion path, whereby there is effected at least one of: a reduction in the energy spread of ions emitted from said ion source; conversion of pulses of ions from the ion source into a quasi-continuous beam of ions; at least partial suppression of unwanted fragmentation of analyte ions; and spreading ions spatially and temporally along the ion path, whereby peak current and space charge effects are reduced.

Please cancel claims 2-43.

Respectfully submitted,

  
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